



Roy F. Weston, Inc.  
Building 3701  
Barnum Road  
Fort Devens, Massachusetts 01433  
508-772-7190 • Fax 508-772-7251

Mailing Address:  
Roy F. Weston, Inc.  
P.O. Box 425  
Ayer, Massachusetts 01432-0425

10 September 1997

Work Order No. 03886-118-002-2700-00

Mr. Maurice Beaudoin, Resident Engineer  
Department of the Army  
New England District, Corps of Engineers  
New Bedford Resident Office  
103 Sawyer Street  
New Bedford, MA 02746

**Superfund Records Center**

**SITE:** New Bedford

**BREAK:** 7/2

**OTHER:** 03886-118-002-2700-00

Reference: Contract No. DACW33-95-D-0004  
Delivery Order No. 0002  
New Bedford Harbor Superfund Site  
Sawyer Street Site O & M  
DCN: NBH-090997-AAJZ

Subject: Quarterly Groundwater Sampling Results - Second Quarter 1997

Dear Mr. Beaudoin:

This is a Letter Report summarizing quarterly groundwater sampling activities and results at the New Bedford Harbor Sawyer Street Site. Seven on-site groundwater monitoring wells (MW-1, MW-2, MW-3, MW-4A, MW-5, MW-6, and MW-7A) were sampled on 26 and 27 June 1997. The attached Site Plan shows the locations of on-site monitoring wells. Table 1 summarizes the groundwater samples collected. Table 2 summarizes the final field parameters measured at each location after well purging, but prior to sample collection. Table 3 summarizes the analytical results of the sampling.

As shown on Table 3, the dissolved concentrations of lead in MW-2 and MW-3 equal and exceed the applicable U.S. EPA Maximum Contaminant Level (MCL) regulatory guidelines of 15.0 parts per billion (ppb), respectively. However, based on the matrix spike/matrix spike duplicate (MS/MSD) for filtered samples not meeting quality control criteria for lead, in addition to past analytical results for these sample locations being historically lower, these results should be estimated and biased as high. No other exceedances of MCLs were noted. Data validation notes and the laboratory data transmittals for the 26 and 27 June 1997 groundwater sampling results are attached.

During the groundwater sampling event on 26 and 27 June 1997, the depression area located east of the Confined Disposal Facility (CDF) contained various areas of standing water and saturated soil to a maximum depth of approximately 0.5 feet. Monitoring wells MW-2 and MW-3 are located in this area. No standing water was observed in the vicinity of these two wells, however,





Mr. Maurice Beaudoin  
U.S. Army Corps of Engineers

2

10 September 1997

the soil surrounding these wells was saturated. The presence of saturated soils and standing water in the vicinity of these wells may affect the natural measured depth to water in the wells and may also affect the quality of groundwater in this area. The depression area is utilized as a discharge area for rain water which accumulates on the covers of CDF cells.

Please call me at (508) 772-7190 if you have any questions regarding this Letter Report.

Very Truly Yours,

ROY F. WESTON, INC.

David C. Crispo  
Associate Project Engineer

cc: R. Rico (WESTON)  
L. Lemay [WESTON DCN File (2)]  
M. Otis (CENAE)  
Project File (DVN)

# Inter-Office Memorandum



**TO:** Dave Crispo

**FROM:** Diane Quigley <sup>DC</sup> **DATE:** 9 September 1997

**PROJECT:** New Bedford **W.O. NO.:** 03886-118-002-2700-00

**SUBJECT:** Data Review of Filtered and Unfiltered Samples 002-0697 through 007-0697, 101-0697, and 202-0697

**ACTION:** Metals and PCB data submitted by Lancaster Laboratories for the above listed samples collected 6/26/97 and 6/27/97 was reviewed.

Chains of custody were reviewed to verify methodology, condition of samples, and to ensure holding times were met. The following discrepancies were noted in the unfiltered analyses;

1. Sample 007-0697, the positive lead result (0.0078J) should be estimated due to MS/MSD results not meeting QC criteria. One of the two PCB surrogates did not meet QC criteria; no action is necessary.
2. Samples 001-0697, 101-0697, and 003-0697; the positive lead results should be estimated due to MS/MSD results not meeting QC criteria. One of the two PCB surrogates did not meet QC criteria in samples 001-0697 and 101-0697; no action is necessary. Field duplicate criteria was met.

No target compounds were detected in the field blank. All other data is useable as reported by the laboratory.

The following discrepancies were noted in the filtered analyses:

1. Samples 001-0697, 003-0697, and 007-0697 the positive lead results should be estimated due to MS/MSD results not meeting QC criteria.
2. Field duplicate criteria was not met in the lead analyses of samples 001-0697 and 101-0697. Both lead results should be estimated.
3. Lead was detected in the filtered water samples 004-0697, 005-0697, and 002-0697 at a higher level than in the unfiltered samples.

No target compounds were detected in the field blank. All other data is useable as reported by the laboratory.

If you have any questions, please call me at extension 5534.

DQ:kdd

## Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

<b>N.D.</b>	none detected	<b>BMQL</b>	Below Minimum Quantitation Level
<b>TNTC</b>	Too Numerous To Count	<b>MPN</b>	Most Probable Number
<b>IU</b>	International Units	<b>CP Units</b>	cobalt-chloroplatinate units
<b>umhos/cm</b>	micromhos/cm	<b>NTU</b>	nephelometric turbidity units
<b>C</b>	degrees Celsius	<b>F</b>	degrees Fahrenheit
<b>Cal</b>	(diet) calories	<b>lb.</b>	pound(s)
<b>meq</b>	milliequivalents	<b>kg</b>	kilogram(s)
<b>g</b>	gram(s)	<b>mg</b>	milligram(s)
<b>ug</b>	microgram(s)	<b>l</b>	liter(s)
<b>ml</b>	milliliter(s)	<b>ul</b>	microliter(s)
<b>m3</b>	cubic meter(s)	<b>fib &gt; 5 um/ml</b>	fibers greater than 5 microns in length per ml

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

**ppm** parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

**ppb** parts per billion

**Dry weight basis** Results printed under this heading have been adjusted for moisture content. This increases the analyte concentration to approximate the value present in a similar sample without moisture.

U.S. EPA data qualifiers:

### Organic Qualifiers

<b>A</b>	TIC is a possible aldol-condensation product
<b>B</b>	Analyte was also detected in the blank
<b>C</b>	Pesticide result confirmed by GC/MS
<b>D</b>	Compound quantitated on a diluted sample
<b>E</b>	Concentration exceeds the calibration range of the instrument
<b>J</b>	Estimated value
<b>N</b>	Presumptive evidence of a compound (TIC's only)
<b>P</b>	Concentration difference between primary and confirmation columns >25%
<b>U</b>	Compound was not detected
<b>X,Y,Z</b>	Defined in case narrative

### Inorganic Qualifiers

<b>B</b>	Value is <CRDL, but ≥IDL
<b>E</b>	Estimated due to interference
<b>M</b>	Duplicate injection precision not met
<b>N</b>	Spike sample not within control limits
<b>S</b>	Method of standard additions (MSA) used for calculation
<b>U</b>	Compound was not detected
<b>W</b>	Post digestion spike out of control limits
<b>*</b>	Duplicate analysis not within control limits
<b>+</b>	Correlation coefficient for MSA <0.995

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

**WARRANTY AND LIMITATION OF LIABILITY** - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. We disclaim any other warranties, express or implied, including a Warranty of Fitness for Particular Purpose and Warranty of Merchantability. We accept no responsibility for the purpose for which the client uses the test results. No purchase order or other order for work shall be accepted by the company with any conditions that vary from our Standard Terms and Conditions. If Lancaster Laboratories performs work requested by the client, conditions at variance to our Standard Terms and Conditions are not part of the contract.

**LLI Sample No. ww 2734965**

Collected: 6/26/97 at 11:25 by DC

Submitted: 6/28/97 Reported: 7/28/97

Discard: 8/28/97

007-0697 Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03  
07697 SDG#: NBH20-01

Account No: 08947  
Roy F. Weston, Inc.  
Bldg. 3701 Barnum Road  
Devons MA 01433

P.O. LL-2139-A7  
Rel. 03886-118-002

CAT NO.	ANALYSIS NAME	AS RECEIVED		
		RESULTS	METHOD DETECTION LIMIT	UNITS
1749	Cadmium	N.D.	0.0031	mg/l
1751	Chromium	0.0126 J	0.0066	mg/l
1753	Copper	0.0088 J	0.0045	mg/l
1055	Lead (furnace method)	0.0078	0.0011	mg/l
0173	PCBs in Water		1.0	See Page 2

1 COPY TO Roy F. Weston, Inc.  
1 COPY TO Data Package Group

ATTN: Mr. Thomas Abdella

Questions? Contact your Client Services Representative  
De Brooks at (717) 656-2300  
12:06:50 D 0002 12 123814 571380  
809 0.00 00010504 ASR000



Lancaster Laboratories  
2425 New Holland Pike  
PO Box 12425  
Lancaster, PA 17605-2425  
717-656-2300 Fax 717-656-2681

Respectfully Submitted  
Ramona V. Layman  
Manager, Metals/Leachates





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Page: 2 of 5

**LLI Sample No. WW 2734965**

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Discard: 8/28/97

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US ACOE-New Bedford 03886-118-002-0500-03  
07697 SDG#: NBH20-01

Account No: 08947  
Roy F. Weston, Inc.  
Bldg. 3701 Barnum Road  
Devons MA 01433

P.O. LL-2139-A7  
Ref. 03886-118-002

CAT NO.	ANALYSIS NAME	AS RECEIVED		
		RESULTS	METHOD DETECTION LIMIT	UNITS
PCBs in Water				
0639	PCB-1016	N.D.	0.043	ug/l
0640	PCB-1221	N.D.	0.12	ug/l
0641	PCB-1232	N.D.	0.048	ug/l
0642	PCB-1242	N.D.	0.10	ug/l
0643	PCB-1248	N.D.	0.038	ug/l
0644	PCB-1254	N.D.	0.14	ug/l
0645	PCB-1260	N.D.	0.036	ug/l

Questions? Contact your Client Services Representative  
De Brooks at (717) 656-2300

Respectfully Submitted  
Jenifer E. Hess, B.S.  
Group Leader Pesticides/PCBs



Lancaster Laboratories  
2425 New Holland Pike  
PO Box 12425  
Lancaster, PA 17605-2425  
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LABORATORY CHRONICLE

Page: 3 of 5

**LLI Sample No. WW 2734965**

Collected: 06/26/97 at 11:25 by DC

Submitted: 06/28/97

007-0697 Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03  
07697 SDG#: NBH20-01

Account No: 08947  
Roy F. Weston, Inc.  
Bldg. 3701 Barnum Road  
Devons MA 01433

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS DATE AND TIME	ANALYST
1749	Cadmium	SW-846 6010A	1	07/11/97 0047	Tara L. Linville
1751	Chromium	SW-846 6010A	1	07/11/97 0047	Tara L. Linville
1753	Copper	SW-846 6010A	1	07/11/97 0047	Tara L. Linville
1848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	07/02/97 2237	Charlotte L. Houck
1055	Lead (furnace method)	SW-846 7421	1	07/15/97 1135	Laura M. Hickes
5704	WW/TL SW 846 GFAA Digest tot	SW-846 3020A	1	07/02/97 2231	Charlotte L. Houck
0173	PCBs in Water	SW-846 8081	1	07/02/97 0732	Rick Shober
0817	Water Sample Pest. Extraction	SW-846 3510B	1	06/30/97 1945	David M. Yiannokos



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QUALITY CONTROL REPORT

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LLI Sample No. 2734965

007-0697 Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03

Group No. 571380  
Roy F. Weston, Inc.

SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LOW	LIMITS HIGH
1749 Cadmium		Batch: 971831848007									
0.0031	mg/l	N.D.	0 (1)	103	101	3	103			80	120
1751 Chromium		Batch: 971831848007									
0.0066	mg/l	N.D.	0 (1)	108	104	4	105			80	120
1753 Copper		Batch: 971831848007									
0.0045	mg/l	N.D.	0 (1)	109	107	2	106			80	120
1055 Lead (furnace method)		Batch: 971835704003									
0.0011	mg/l	N.D.	0 (1)	93	252	92	92			80	120
-----											
0173 PCBs in Water		Batch: 971810002A									
0639 PCB-1016											
0.043	ug/l	N.D.		100	96	5	91	87	4	48	125
0640 PCB-1221											
0.12	ug/l	N.D.									
0641 PCB-1232											
0.048	ug/l	N.D.									
0642 PCB-1242											
0.10	ug/l	N.D.									
0643 PCB-1248											
0.038	ug/l	N.D.									
0644 PCB-1254											
0.14	ug/l	N.D.									
0645 PCB-1260											
0.036	ug/l	N.D.		99	95	3	101	96	5	67	128

(1) The result for one or both determinations was less than five times the LOQ.



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2425 New Holland Pike  
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**LLI Sample No. 2734965**

007-0697 Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03

Group No. 571380  
Roy F. Weston, Inc.

### SURROGATE SUMMARY

TRIAL ID	SURROGATE	RECOVERY %	SURROGATE LIMITS	
			LOW	HIGH
0173 PCBs in Water	TCX	86	60	120
	DCB	54	60	120



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LLI Sample No. **ww 2734966**

Collected: 6/26/97 at 12:10 by DC

Submitted: 6/28/97 Reported: 7/29/97

Discard: 8/29/97

006-0697 Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03  
06697 SDG#: NBH20-02

Account No: 08947  
Roy F. Weston, Inc.  
Bldg. 3701 Barnum Road  
Devons MA 01433

P.O. LL-2139-A7  
Ref. 03886-118-002

CAT NO.	ANALYSIS NAME	AS RECEIVED		
		RESULTS	METHOD DETECTION LIMIT	UNITS
1749	Cadmium	N.D.	0.0031	mg/l
1751	Chromium	N.D.	0.0066	mg/l
1753	Copper	N.D.	0.0045	mg/l
1055	Lead (furnace method)	0.0022 J	0.0011	mg/l
0173	PCBs in Water		1.0	See Page 2

1 COPY TO Roy F. Weston, Inc.  
1 COPY TO Data Package Group

ATTN: Mr. Thomas Abdella

Questions? Contact your Client Services Representative  
De Brooks at (717) 656-2300  
19:47:47 D 0002 12 REP 123814 571380  
288 0.00 00010504 ASR000



Lancaster Laboratories  
2425 New Holland Pike  
PO Box 12425  
Lancaster, PA 17605-2425  
717-656-2300 Fax 717-656-2681

Respectfully Submitted  
Ramona V. Layman  
Manager, Metals/Leachates





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**LLI Sample No. ww 2734966**

Collected: 6/26/97 at 12:10 by DC

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Discard: 8/29/97

006-0697 Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03  
06697 SDG#: NBH20-02

Account No: 08947  
Roy F. Weston, Inc.  
Bldg. 3701 Barnum Road  
Devons MA 01433

P.O. LL-2139-A7  
Rel. 03886-118-002

CAT  
NO. ANALYSIS NAME

AS RECEIVED  
METHOD  
RESULTS DETECTION LIMIT UNITS

PCBs in Water

0639	PCB-1016	N.D.	0.043	ug/l
0640	PCB-1221	N.D.	0.12	ug/l
0641	PCB-1232	N.D.	0.048	ug/l
0642	PCB-1242	N.D.	0.10	ug/l
0643	PCB-1248	N.D.	0.038	ug/l
0644	PCB-1254	N.D.	0.14	ug/l
0645	PCB-1260	N.D.	0.036	ug/l

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Respectfully Submitted  
Jenifer E. Hess, B.S.  
Group Leader Pesticides/PCBs

See reverse side for explanation of symbols and abbreviations.

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LLI Sample No. WW 2734966

Collected: 06/26/97 at 12:10 by DC

Submitted: 06/28/97

006-0697 Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03  
06697 SDG#: NBH20-02

Account No: 08947  
Roy F. Weston, Inc.  
Bldg. 3701 Barnum Road  
Devons MA 01433

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS DATE AND TIME	ANALYST
1749	Cadmium	SW-846 6010A	1	07/11/97 0053	Tara L. Linville
1751	Chromium	SW-846 6010A	1	07/11/97 0053	Tara L. Linville
1753	Copper	SW-846 6010A	1	07/11/97 0053	Tara L. Linville
1848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	07/02/97 2237	Charlotte L. Houck
1055	Lead (furnace method)	SW-846 7421	1	07/15/97 1156	Laura M. Hickes
5704	WW/TL SW 846 GFAA Digest tot	SW-846 3020A	1	07/02/97 2231	Charlotte L. Houck
0173	PCBs in Water	SW-846 8081	1	07/02/97 0810	Rick Shober
0817	Water Sample Pest. Extraction	SW-846 3510B	1	06/30/97 1945	David M. Yiannokos



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LLI Sample No. 2734966

006-0697 Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03

Group No. 571380  
Roy F. Weston, Inc.

SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LOW	LIMITS HIGH
1749 Cadmium		Batch: 971831848007									
0.0031	mg/l	N.D.	0 (1)	103	101	3	103			80	120
1751 Chromium		Batch: 971831848007									
0.0066	mg/l	N.D.	0 (1)	108	104	4	105			80	120
1753 Copper		Batch: 971831848007									
0.0045	mg/l	N.D.	0 (1)	109	107	2	106			80	120
1055 Lead (furnace method)		Batch: 971835704003									
0.0011	mg/l	N.D.	0 (1)	93	252	92	92			80	120
-----											
0173 PCBs in Water		Batch: 971810002A									
0639 PCB-1016											
0.043	ug/l	N.D.		100	96	5	91	87	4	48	125
0640 PCB-1221		N.D.									
0.12	ug/l	N.D.									
0641 PCB-1232		N.D.									
0.048	ug/l	N.D.									
0642 PCB-1242		N.D.									
0.10	ug/l	N.D.									
0643 PCB-1248		N.D.									
0.038	ug/l	N.D.									
0644 PCB-1254		N.D.									
0.14	ug/l	N.D.									
0645 PCB-1260		N.D.									
0.036	ug/l	N.D.		99	95	3	101	96	5	67	128

(1) The result for one or both determinations was less than five times the LOQ.



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**LLI Sample No. 2734966**

006-0697 Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03

Group No. 571380  
Roy F. Weston, Inc.

## SURROGATE SUMMARY

TRIAL ID	SURROGATE	RECOVERY %	SURROGATE LIMITS	
			LOW	HIGH
0173 PCBs in Water	TCX	87	60	120
	DCB	80	60	120



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**LLI Sample No. WW 2734967**

Collected: 6/26/97 at 13:00 by DC

Submitted: 6/28/97 Reported: 7/28/97

Discard: 8/28/97

001-0697 Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03  
01697 SDG#: NBH20-03

Account No: 08947  
Roy F. Weston, Inc.  
Bldg. 3701 Barnum Road  
Devons MA 01433

P.O. LL-2139-A7  
Ref. 03886-118-002

CAT NO.	ANALYSIS NAME	AS RECEIVED	
		RESULTS	METHOD DETECTION LIMIT UNITS
1749	Cadmium	N.D.	0.0031 mg/l
1751	Chromium	N.D.	0.0066 mg/l
1753	Copper	N.D.	0.0045 mg/l
1055	Lead (furnace method)	0.0077	0.0011 mg/l
0173	PCBs in Water		1.0 See Page 2

1 COPY TO Roy F. Weston, Inc.  
1 COPY TO Data Package Group

ATTN: Mr. Thomas Abde11a

Questions? Contact your Client Services Representative  
De Brooks at (717) 656-2300  
12:07:59 D 0002 12 123814 571380  
809 0.00 00010504 ASR000



Lancaster Laboratories  
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Respectfully Submitted  
Ramona V. Layman  
Manager, Metals/Leachates

See reverse side for explanation of symbols and abbreviations.

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001-0697 Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03  
01697 SDG#: NBH20-03

Account No: 08947  
Roy F. Weston, Inc.  
Bldg. 3701 Barnum Road  
Devons MA 01433

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Rel. 03886-118-002

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		RESULTS	METHOD DETECTION LIMIT	UNITS
PCBs in Water				
0639	PCB-1016	N.D.	0.043	ug/l
0640	PCB-1221	N.D.	0.12	ug/l
0641	PCB-1232	N.D.	0.048	ug/l
0642	PCB-1242	N.D.	0.10	ug/l
0643	PCB-1248	N.D.	0.038	ug/l
0644	PCB-1254	N.D.	0.14	ug/l
0645	PCB-1260	N.D.	0.036	ug/l

Questions? Contact your Client Services Representative  
De Brooks at (717) 656-2300



Lancaster Laboratories  
2425 New Holland Pike  
PO Box 12425  
Lancaster, PA 17605-2425  
717-656-2300 Fax 717-656-2681

Respectfully Submitted  
Jenifer E. Hess, B.S.  
Group Leader Pesticides/PCBs

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2216 Rev 5/01/96





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LABORATORY CHRONICLE

Page: 3 of 5

**LLI Sample No. WW 2734967**

Collected: 06/26/97 at 13:00 by DC

Submitted: 06/28/97

001-0697 Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03  
01697 SDG#: NBH20-03

Account No: 08947  
Roy F. Weston, Inc.  
Bldg. 3701 Barnum Road  
Devons MA 01433

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS DATE AND TIME	ANALYST
1749	Cadmium	SW-846 6010A	1	07/11/97 0111	Tara L. Linville
1751	Chromium	SW-846 6010A	1	07/11/97 0111	Tara L. Linville
1753	Copper	SW-846 6010A	1	07/11/97 0111	Tara L. Linville
1848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	07/02/97 2237	Charlotte L. Houck
1055	Lead (furnace method)	SW-846 7421	1	07/15/97 1207	Laura M. Hickes
5704	WW/TL SW 846 GFAA Digest tot	SW-846 3020A	1	07/02/97 2231	Charlotte L. Houck
0173	PCBs in Water	SW-846 8081	1	07/02/97 0849	Rick Shober
0817	Water Sample Pest. Extraction	SW-846 3510B	1	06/30/97 1945	David M. Yiannokos



Lancaster Laboratories  
2425 New Holland Pike  
PO Box 12425  
Lancaster, PA 17605-2425  
717-656-2300 Fax: 717-656-2681

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LLI Sample No. 2734967

001-0697 Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03

Group No. 571380  
Roy F. Weston, Inc.

SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LOW	LIMITS HIGH
1749 Cadmium		Batch: 971831848007									
0.0031	mg/l	N.D.	0 (1)	103	101	3	103			80	120
1751 Chromium		Batch: 971831848007									
0.0066	mg/l	N.D.	0 (1)	108	104	4	105			80	120
1753 Copper		Batch: 971831848007									
0.0045	mg/l	N.D.	0 (1)	109	107	2	106			80	120
1055 Lead (furnace method)		Batch: 971835704003									
0.0011	mg/l	N.D.	0 (1)	93	252	92	92			80	120
<hr/>											
0173 PCBs in Water		Batch: 971810002A									
0639 PCB-1016											
0.043	ug/l	N.D.		100	96	5	91	87	4	48	125
0640 PCB-1221											
0.12	ug/l	N.D.									
0641 PCB-1232											
0.048	ug/l	N.D.									
0642 PCB-1242											
0.10	ug/l	N.D.									
0643 PCB-1248											
0.038	ug/l	N.D.									
0644 PCB-1254											
0.14	ug/l	N.D.									
0645 PCB-1260											
0.036	ug/l	N.D.		99	95	3	101	96	5	67	128

(1) The result for one or both determinations was less than five times the LOQ.



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2216 Rev 5/01/99





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LLI Sample No. 2734967

001-0697 Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03

Group No. 571380  
Roy F. Weston, Inc.

SURROGATE SUMMARY

TRIAL ID	SURROGATE	RECOVERY %	SURROGATE LIMITS	
			LOW	HIGH
0173 PCBs in Water	TCX	83	60	120
	DCB	45	60	120



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2216 Rev. 5/01/96





**LLI Sample No. WW 2734968**

Collected: 6/26/97 at 13:00 by DC

Submitted: 6/28/97 Reported: 7/28/97

Discard: 8/28/97

101-0697 Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03

10197 SDG#: NBH20-04

Account No: 08947  
Roy F. Weston, Inc.  
Bldg. 3701 Barnum Road  
Devons MA 01433

P.O. LL-2139-A7  
Re1. 03886-118-002

CAT NO.	ANALYSIS NAME	AS RECEIVED	
		RESULTS	METHOD DETECTION LIMIT UNITS
1749	Cadmium	N.D.	0.0031 mg/l
1751	Chromium	N.D.	0.0066 mg/l
1753	Copper	N.D.	0.0045 mg/l
1055	Lead (furnace method)	0.0082	0.0011 mg/l
0173	PCBs in Water		1.0 See Page 2

1 COPY TO Roy F. Weston, Inc.  
1 COPY TO Data Package Group

ATTN: Mr. Thomas Abdella

Questions? Contact your Client Services Representative  
De Brooks at (717) 656-2300  
12:08:24 D 0002 12 123814 571380  
809 0.00 00010504 ASR000



Lancaster Laboratories  
2425 New Holland Pike  
PO Box 12425  
Lancaster, PA 17605-2425  
717-656-2300 Fax 717-656-2681

Respectfully Submitted  
Ramona V. Layman  
Manager, Metals/Leachates





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Page: 2 of 5

**LLI Sample No. WW 2734968**

Collected: 6/26/97 at 13:00 by DC

Submitted: 6/28/97 Reported: 7/28/97

Discard: 8/28/97

101-0697 Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03

10197 SDG#: NBH20-04

Account No: 08947  
Roy F. Weston, Inc.  
Bldg. 3701 Barnum Road  
Devons MA 01433

P.O. LL-2139-A7  
Ref. 03886-118-002

CAT NO.	ANALYSIS NAME	AS RECEIVED		
		RESULTS	METHOD DETECTION LIMIT	UNITS
PCBs in Water				
0639	PCB-1016	N.D.	0.044	ug/l
0640	PCB-1221	N.D.	0.12	ug/l
0641	PCB-1232	N.D.	0.049	ug/l
0642	PCB-1242	N.D.	0.10	ug/l
0643	PCB-1248	N.D.	0.039	ug/l
0644	PCB-1254	N.D.	0.14	ug/l
0645	PCB-1260	N.D.	0.037	ug/l

Questions? Contact your Client Services Representative  
De Brooks at (717) 656-2300

Respectfully Submitted  
Jenifer E. Hess, B.S.  
Group Leader Pesticides/PCBs



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2216 Rev 5/01/96



**LLI Sample No. WW 2734968**

Collected: 06/26/97 at 13:00 by DC

Submitted: 06/28/97

101-0697 Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03  
10197 SDG#: NBH20-04

Account No: 08947  
Roy F. Weston, Inc.  
Bldg. 3701 Barnum Road  
Devons MA 01433

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS DATE AND TIME	ANALYST
1749	Cadmium	SW-846 6010A	1	07/11/97 0117	Tara L. Linville
1751	Chromium	SW-846 6010A	1	07/11/97 0117	Tara L. Linville
1753	Copper	SW-846 6010A	1	07/11/97 0117	Tara L. Linville
1848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	07/02/97 2237	Charlotte L. Houck
1055	Lead (furnace method)	SW-846 7421	1	07/15/97 1218	Laura M. Hickes
5704	WW/TL SW 846 GFAA Digest tot	SW-846 3020A	1	07/02/97 2231	Charlotte L. Houck
0173	PCBs in Water	SW-846 8081	1	07/02/97 0927	Rick Shober
0817	Water Sample Pest. Extraction	SW-846 3510B	1	06/30/97 1945	David M. Yiannokos



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QUALITY CONTROL REPORT

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LLI Sample No. 2734968

101-0697 Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03

Group No. 571380  
Roy F. Weston, Inc.

SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LOW	LIMITS HIGH
1749 Cadmium		Batch: 971831848007									
0.0031	mg/l	N.D.	0 (1)	103	101	3	103			80	120
1751 Chromium		Batch: 971831848007									
0.0066	mg/l	N.D.	0 (1)	108	104	4	105			80	120
1753 Copper		Batch: 971831848007									
0.0045	mg/l	N.D.	0 (1)	109	107	2	106			80	120
1055 Lead (furnace method)		Batch: 971835704003									
0.0011	mg/l	N.D.	0 (1)	93	252	92	92			80	120
-----											
0173 PCBs in Water		Batch: 971810002A									
-----											
0639 PCB-1016											
0.044	ug/l	N.D.		100	96	5	91	87	4	48	125
0640 PCB-1221											
0.12	ug/l	N.D.									
0641 PCB-1232											
0.049	ug/l	N.D.									
0642 PCB-1242											
0.10	ug/l	N.D.									
0643 PCB-1248											
0.039	ug/l	N.D.									
0644 PCB-1254											
0.14	ug/l	N.D.									
0645 PCB-1260											
0.037	ug/l	N.D.		99	95	3	101	96	5	67	128

(1) The result for one or both determinations was less than five times the LOQ.



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QUALITY CONTROL REPORT

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**LLI Sample No. 2734968**

101-0697 Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03

Group No. 571380  
Roy F. Weston, Inc.

## SURROGATE SUMMARY

TRIAL ID	SURROGATE	RECOVERY %	SURROGATE LIMITS	
			LOW	HIGH
0173 PCBs in Water	TCX	83	60	120
	DCB	50	60	120



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**LLI Sample No. ww 2734969**

Collected: 6/26/97 at 15:00 by DC

Submitted: 6/28/97 Reported: 7/28/97

Discard: 8/28/97

004-0697 Unspiked Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03  
04697 SDG#: NBH20-05BK

Account No: 08947  
Roy F. Weston, Inc.  
Bldg. 3701 Barnum Road  
Devons MA 01433

P.O. LL-2139-A7  
Rel. 03886-118-002

CAT NO.	ANALYSIS NAME	AS RECEIVED		
		RESULTS	METHOD DETECTION LIMIT	UNITS
1749	Cadmium	N.D.	0.0031	mg/l
1751	Chromium	N.D.	0.0066	mg/l
1753	Copper	N.D.	0.0045	mg/l
1055	Lead (furnace method)	N.D.	0.011	mg/l
0173	PCBs in Water		1.0	See Page 2

1 COPY TO Roy F. Weston, Inc.  
1 COPY TO Data Package Group

ATTN: Mr. Thomas Abdella

Questions? Contact your Client Services Representative  
De Brooks at (717) 656-2300  
12:08:54 D 0002 12 123814 571380  
809 0.00 00010504 ASR000



Lancaster Laboratories  
2425 New Holland Pike  
PO Box 12425  
Lancaster, PA 17605-2425  
717-656-2300 Fax 717-656-2681

Respectfully Submitted  
Ramona V. Layman  
Manager, Metals/Leachates





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Page: 2 of 5

**LLI Sample No. WW 2734969**

Collected: 6/26/97 at 15:00 by DC

Submitted: 6/28/97 Reported: 7/28/97

Discard: 8/28/97

004-0697 Unspiked Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03

04697 SDG#: NBH20-05BK

Account No: 08947  
Roy F. Weston, Inc.  
Bldg. 3701 Barnum Road  
Devons MA 01433

P.O. LL-2139-A7  
Rel. 03886-118-002

AS RECEIVED

CAT  
NO. ANALYSIS NAME

RESULTS METHOD  
DETECTION LIMIT UNITS

PCBs in Water

0639	PCB-1016	N.D.	0.043	ug/l
0640	PCB-1221	N.D.	0.12	ug/l
0641	PCB-1232	N.D.	0.048	ug/l
0642	PCB-1242	N.D.	0.10	ug/l
0643	PCB-1248	N.D.	0.038	ug/l
0644	PCB-1254	N.D.	0.14	ug/l
0645	PCB-1260	N.D.	0.036	ug/l

Questions? Contact your Client Services Representative  
De Brooks at (717) 656-2300

Respectfully Submitted  
Jenifer E. Hess, B.S.  
Group Leader Pesticides/PCBs



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2216 Rev 5/01/96





LLI Sample No. WW 2734969

Collected: 06/26/97 at 15:00 by DC

Submitted: 06/28/97

Account No: 08947  
Roy F. Weston, Inc.  
Bldg. 3701 Barnum Road  
Devons MA 01433

004-0697 Unspiked Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03  
04697 SDG#: NBH20-05BK

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS DATE AND TIME	ANALYST
1749	Cadmium	SW-846 6010A	1	07/11/97 0010	Tara L. Linville
1751	Chromium	SW-846 6010A	1	07/11/97 0010	Tara L. Linville
1753	Copper	SW-846 6010A	1	07/11/97 0010	Tara L. Linville
1848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	07/02/97 2237	Charlotte L. Houck
1055	Lead (furnace method)	SW-846 7421	2	07/20/97 0135	Timothy Trees
5704	WW/TL SW 846 GFAA Digest tot	SW-846 3020A	1	07/02/97 2231	Charlotte L. Houck
0173	PCBs in Water	SW-846 8081	1	07/02/97 0537	Rick Shober
0817	Water Sample Pest. Extraction	SW-846 3510B	1	06/30/97 1945	David M. Yiannokos



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## QUALITY CONTROL REPORT

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LLI Sample No. 2734969

004-0697 Unspiked Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03

Group No. 571380  
Roy F. Weston, Inc.

SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LOW	LIMITS HIGH
1749 Cadmium		Batch: 971831848007									
0.0031	mg/l	N.D.	0 (1)	103	101	3	103			80	120
1751 Chromium		Batch: 971831848007									
0.0066	mg/l	N.D.	0 (1)	108	104	4	105			80	120
1753 Copper		Batch: 971831848007									
0.0045	mg/l	N.D.	0 (1)	109	107	2	106			80	120
1055 Lead (furnace method)		Batch: 971835704003									
0.011	mg/l	N.D.	0 (1)	93	252	92	92			80	120
-----											
0173 PCBs in Water		Batch: 971810002A									
-----											
0639 PCB-1016											
0.043	ug/l	N.D.		100	96	5	91	87	4	48	125
0640 PCB-1221											
0.12	ug/l	N.D.									
0641 PCB-1232											
0.048	ug/l	N.D.									
0642 PCB-1242											
0.10	ug/l	N.D.									
0643 PCB-1248											
0.038	ug/l	N.D.									
0644 PCB-1254											
0.14	ug/l	N.D.									
0645 PCB-1260											
0.036	ug/l	N.D.		99	95	3	101	96	5	67	128

(1) The result for one or both determinations was less than five times the LOQ.



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2425 New Holland Pike  
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Lancaster, PA 17605-2425  
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2216 Rev 5/01/96





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QUALITY CONTROL REPORT

Page: 5 of 5

**LLI Sample No. 2734969**

004-0697 Unspiked Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03

Group No. 571380  
Roy F. Weston, Inc.

## SURROGATE SUMMARY

TRIAL ID	SURROGATE	RECOVERY %	SURROGATE LIMITS	
			LOW	HIGH
0173 PCBs in Water	TCX	84	60	120
	DCB	80	60	120



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2216 Rev. 5/01/96





LLI Sample No. WW 2734970

Collected: 6/26/97 at 15:00 by DC

Submitted: 6/28/97 Reported: 7/28/97

Discard: 8/28/97

004-0697 Matrix Spike Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03

04697 SDG#: NBH20-05MS

Account No: 08947  
Roy F. Weston, Inc.  
Bldg. 3701 Barnum Road  
Devons MA 01433

P.O. LL-2139-A7  
Ref. 03886-118-002

CAT NO.	ANALYSIS NAME	AS RECEIVED		
		RESULTS	METHOD DETECTION	LIMIT UNITS
1749	Cadmium	0.052	0.0031	mg/l
1751	Chromium	0.215	0.0066	mg/l
1753	Copper	0.274	0.0045	mg/l
1055	Lead (furnace method)	0.019 J	0.011	mg/l
	The quantitation limit for lead was increased due to the nature of the sample matrix.			
0173	PCBs in Water		1.0	See Page 2

1 COPY TO Roy F. Weston, Inc.  
1 COPY TO Data Package Group

ATTN: Mr. Thomas Abdella

Questions? Contact your Client Services Representative  
De Brooks at (717) 656-2300  
12:09:29 D 0002 12 123814 571380  
809 0.00 00010504 ASR000

Respectfully Submitted  
Ramona V. Layman  
Manager, Metals/Leachates



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2425 New Holland Pike  
PO Box 12425  
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2216 Rev. 5/01/96



LLI Sample No. **WW 2734970**

Collected: 6/26/97 at 15:00 by DC

Submitted: 6/28/97 Reported: 7/28/97

Discard: 8/28/97

004-0697 Matrix Spike Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03  
04697 SDG#: NBH20-05MS

Account No: 08947  
Roy F. Weston, Inc.  
Bldg. 3701 Barnum Road  
Devons MA 01433

P.O. LL-2139-A7  
Rel. 03886-118-002

CAT NO.	ANALYSIS NAME	AS RECEIVED		
		RESULTS	METHOD DETECTION LIMIT	UNITS
PCBs in Water				
0639	PCB-1016	5.0	0.043	ug/l
0640	PCB-1221	N.D.	0.12	ug/l
0641	PCB-1232	N.D.	0.048	ug/l
0642	PCB-1242	N.D.	0.10	ug/l
0643	PCB-1248	N.D.	0.038	ug/l
0644	PCB-1254	N.D.	0.14	ug/l
0645	PCB-1260	4.9	0.036	ug/l

Questions? Contact your Client Services Representative  
De Brooks at (717) 656-2300

Respectfully Submitted  
Jenifer E. Hess, B.S.  
Group Leader Pesticides/PCBs



Lancaster Laboratories  
2425 New Holland Pike  
PO Box 12425  
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717-656-2300 Fax 717-656-2681

See reverse side for explanation of symbols and abbreviations

2216 Rev 5/01/97





LLI Sample No. WW 2734970

Collected: 06/26/97 at 15:00 by DC

Submitted: 06/28/97

004-0697 Matrix Spike Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03  
04697 SDG#: NBH20-05MS

Account No: 08947  
Roy F. Weston, Inc.  
Bldg. 3701 Barnum Road  
Devons MA 01433

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS DATE AND TIME	ANALYST
1749	Cadmium	SW-846 6010A	1	07/11/97 0028	Tara L. Linville
1751	Chromium	SW-846 6010A	1	07/11/97 0028	Tara L. Linville
1753	Copper	SW-846 6010A	1	07/11/97 0028	Tara L. Linville
1848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	07/02/97 2237	Charlotte L. Houck
1055	Lead (furnace method)	SW-846 7421	2	07/20/97 0154	Timothy Trees
5704	WW/TL SW 846 GFAA Digest tot	SW-846 3020A	1	07/02/97 2231	Charlotte L. Houck
0173	PCBs in Water	SW-846 8081	1	07/02/97 0615	Rick Shober
0817	Water Sample Pest. Extraction	SW-846 3510B	1	06/30/97 1945	David M. Yiannokos



Lancaster Laboratories  
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PO Box 12425  
Lancaster, PA 17605-2425  
717-656-2300 Fax 717-656-2681

See reverse side for explanation of symbols and abbreviations.

2216 Rev 5/01/96





LLI Sample No. 2734970

004-0697 Matrix Spike Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03

Group No. 571380  
Roy F. Weston, Inc.

SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LOW	LIMITS HIGH
1749 Cadmium		Batch: 971831848007									
0.0031	mg/l	N.D.	0 (1)	103	101	3	103			80	120
1751 Chromium		Batch: 971831848007									
0.0066	mg/l	N.D.	0 (1)	108	104	4	105			80	120
1753 Copper		Batch: 971831848007									
0.0045	mg/l	N.D.	0 (1)	109	107	2	106			80	120
1055 Lead (furnace method)		Batch: 971835704003									
0.011	mg/l	N.D.	0 (1)	93	252	92	92			80	120
-----											
0173 PCBs in Water		Batch: 971810002A									
-----											
0639 PCB-1016											
0.043	ug/l	N.D.		100	96	5	91	87	4	48	125
0640 PCB-1221											
0.12	ug/l	N.D.									
0641 PCB-1232											
0.048	ug/l	N.D.									
0642 PCB-1242											
0.10	ug/l	N.D.									
0643 PCB-1248											
0.038	ug/l	N.D.									
0644 PCB-1254											
0.14	ug/l	N.D.									
0645 PCB-1260											
0.036	ug/l	N.D.		99	95	3	101	96	5	67	128

(1) The result for one or both determinations was less than five times the LOQ.

Lancaster Laboratories  
2425 New Holland Pike  
PO Box 12425  
Lancaster, PA 17601-2425  
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2216 Rev. 5/01/96





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QUALITY CONTROL REPORT

Page: 5 of 5

**LLI Sample No. 2734970**

004-0697 Matrix Spike Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03

Group No. 571380  
Roy F. Weston, Inc.

		SURROGATE SUMMARY		SURROGATE LIMITS	
	TRIAL ID	SURROGATE	RECOVERY %	LOW	HIGH
0173 PCBs in Water		TCX	88	60	120
		DCB	91	60	120



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2216 Rev 5/01/96





LLI Sample No. WW 2734971

Collected: 6/26/97 at 15:00 by DC

Submitted: 6/28/97 Reported: 7/28/97

Discard: 8/28/97

004-0697 Matrix Spike Duplicate Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03  
04697 SDG#: NBH20-05MSD

Account No: 08947  
Roy F. Weston, Inc.  
Bldg. 3701 Barnum Road  
Devons MA 01433

P.O. LL-2139-A7  
Rel. 03886-118-002

CAT NO.	ANALYSIS NAME	AS RECEIVED	
		RESULTS	METHOD DETECTION LIMIT UNITS
1749	Cadmium	0.050	0.0031 mg/l
1751	Chromium	0.207	0.0066 mg/l
1753	Copper	0.268	0.0045 mg/l
1055	Lead (furnace method)	0.050	0.011 mg/l
0173	PCBs in Water		1.0 See Page 2

1 COPY TO Roy F. Weston, Inc.  
1 COPY TO Data Package Group

ATTN: Mr. Thomas Abdella

Questions? Contact your Client Services Representative  
De Brooks at (717) 656-2300  
12:10:22 D 0002 12 123814 571380  
809 0.00 00010504 ASR000

Respectfully Submitted  
Ramona V. Layman  
Manager, Metals/Leachates



Lancaster Laboratories  
2425 New Holland Pike  
PO Box 12425  
Lancaster, PA 17605-2425  
717-656-2300 Fax 717-656-2681

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2216 Rev 5/01/96





LLI Sample No. WW 2734971

Collected: 6/26/97 at 15:00 by DC

Submitted: 6/28/97 Reported: 7/28/97

Discard: 8/28/97

004-0697 Matrix Spike Duplicate Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03

04697 SDG#: NBH20-05MSD

Account No: 08947  
Roy F. Weston, Inc.  
Bldg. 3701 Barnum Road  
Devons MA 01433

P.O. LL-2139-A7  
Re1. 03886-118-002

CAT NO.	ANALYSIS NAME	AS RECEIVED		
		RESULTS	METHOD DETECTION LIMIT	UNITS
PCBs in Water				
0639	PCB-1016	4.8	0.043	ug/l
0640	PCB-1221	N.D.	0.12	ug/l
0641	PCB-1232	N.D.	0.048	ug/l
0642	PCB-1242	N.D.	0.10	ug/l
0643	PCB-1248	N.D.	0.038	ug/l
0644	PCB-1254	N.D.	0.14	ug/l
0645	PCB-1260	4.8	0.036	ug/l

Questions? Contact your Client Services Representative  
De Brooks at (717) 656-2300

Respectfully Submitted  
Jenifer E. Hess, B.S.  
Group Leader Pesticides/PCBs



Lancaster Laboratories  
2425 New Holland Pike  
PO Box 12425  
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LABORATORY CHRONICLE

Page: 3 of 5

LLI Sample No. WW 2734971

Collected: 06/26/97 at 15:00 by DC

Submitted: 06/28/97

Account No: 08947  
Roy F. Weston, Inc.  
Bldg. 3701 Barnum Road  
Devons MA 01433

004-0697 Matrix Spike Duplicate Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03  
04697 SDG#: NBH20-05MSD

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS DATE AND TIME	ANALYST
1749	Cadmium	SW-846 6010A	1	07/11/97 0034	Tara L. Linville
1751	Chromium	SW-846 6010A	1	07/11/97 0034	Tara L. Linville
1753	Copper	SW-846 6010A	1	07/11/97 0034	Tara L. Linville
1848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	07/02/97 2237	Charlotte L. Houck
1055	Lead (furnace method)	SW-846 7421	2	07/20/97 0204	Timothy Trees
5704	WW/TL SW 846 GFAA Digest tot	SW-846 3020A	1	07/02/97 2231	Charlotte L. Houck
0173	PCBs in Water	SW-846 8081	1	07/02/97 0654	Rick Shober
0817	Water Sample Pest. Extraction	SW-846 3510B	1	06/30/97 1945	David M. Yiannokos



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2216 Rev 5/01/96





LLI Sample No. 2734971

004-0697 Matrix Spike Duplicate Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03

Group No. 571380  
Roy F. Weston, Inc.

SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LOW	LIMITS HIGH
1749 Cadmium		Batch: 971831848007									
0.0031	mg/l	N.D.	0 (1)	103	101	3	103			80	120
1751 Chromium		Batch: 971831848007									
0.0066	mg/l	N.D.	0 (1)	108	104	4	105			80	120
1753 Copper		Batch: 971831848007									
0.0045	mg/l	N.D.	0 (1)	109	107	2	106			80	120
1055 Lead (furnace method)		Batch: 971835704003									
0.011	mg/l	N.D.	0 (1)	93	252	92	92			80	120
-----											
0173 PCBs in Water		Batch: 971810002A									
0639 PCB-1016											
0.043	ug/l	N.D.		100	96	5	91	87	4	48	125
0640 PCB-1221											
0.12	ug/l	N.D.									
0641 PCB-1232											
0.048	ug/l	N.D.									
0642 PCB-1242											
0.10	ug/l	N.D.									
0643 PCB-1248											
0.038	ug/l	N.D.									
0644 PCB-1254											
0.14	ug/l	N.D.									
0645 PCB-1260											
0.036	ug/l	N.D.		99	95	3	101	96	5	67	128

(1) The result for one or both determinations was less than five times the LOQ.



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Lancaster, PA 17605-2425  
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2216 Rev. 5/01/98





**LLI Sample No. 2734971**  
004-0697 Matrix Spike Duplicate Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03

Group No. 571380  
Roy F. Weston, Inc.

SURROGATE SUMMARY				
TRIAL ID	SURROGATE	RECOVERY %	SURROGATE LIMITS	
			LOW	HIGH
0173 PCBs in Water	TCX	85	60	120
	DCB	89	60	120



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2216 Rev. 5/01 '96





**LLI Sample No. ww 2734972**

Collected: 6/26/97 at 15:00 by DC

Submitted: 6/28/97 Reported: 7/28/97

Discard: 8/28/97

004-0697 Duplicate Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03  
04697 SDG#: NBH20-05DUP

Account No: 08947  
Roy F. Weston, Inc.  
Bldg. 3701 Barnum Road  
Devons MA 01433

P.O. LL-2139-A7  
Ref. 03886-118-002

CAT NO.	ANALYSIS NAME	AS RECEIVED		LIMIT	UNITS
		RESULTS	METHOD DETECTION		
1749	Cadmium	N.D.	0.0031	mg/l	
1751	Chromium	N.D.	0.0066	mg/l	
1753	Copper	N.D.	0.0045	mg/l	
1055	Lead (furnace method)	0.011 J	0.011	mg/l	

The quantitation limit for lead was increased  
due to the nature of the sample matrix.

1 COPY TO Roy F. Weston, Inc.  
1 COPY TO Data Package Group

ATTN: Mr. Thomas Abdella

Questions? Contact your Client Services Representative  
De Brooks at (717) 656-2300  
12:11:07 D 0002 12 123814 571380  
809 0.00 00004524 ASR000

Respectfully Submitted  
Ramona V. Layman  
Manager, Metals/Leachates



Lancaster Laboratories  
2425 New Holland Pike  
PO Box 12425  
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LLI Sample No. WW 2734972

Collected: 06/26/97 at 15:00 by DC

Submitted: 06/28/97

Account No: 08947  
Roy F. Weston, Inc.  
Bldg. 3701 Barnum Road  
Devons MA 01433

004-0697 Duplicate Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03  
04697 SDG#: NBH20-05DUP

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS DATE AND TIME	ANALYST
1749	Cadmium	SW-846 6010A	1	07/11/97 0022	Tara L. Linville
1751	Chromium	SW-846 6010A	1	07/11/97 0022	Tara L. Linville
1753	Copper	SW-846 6010A	1	07/11/97 0022	Tara L. Linville
1848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	07/02/97 2237	Charlotte L. Houck
1055	Lead (furnace method)	SW-846 7421	2	07/20/97 0145	Timothy Trees
5704	WW/TL SW 846 GFAA Digest tot	SW-846 3020A	1	07/02/97 2231	Charlotte L. Houck



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2216 Rev 5/01/96





LLI Sample No. 2734972

004-0697 Duplicate Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03

Group No. 571380  
Roy F. Weston, Inc.

SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LOW	LIMITS HIGH
1749 Cadmium		Batch: 971831848007									
0.0031	mg/l	N.D.	0 (1)	103	101	3	103			80	120
1751 Chromium		Batch: 971831848007									
0.0066	mg/l	N.D.	0 (1)	108	104	4	105			80	120
1753 Copper		Batch: 971831848007									
0.0045	mg/l	N.D.	0 (1)	109	107	2	106			80	120
1055 Lead (furnace method)		Batch: 971835704003									
0.011	mg/l	N.D.	0 (1)	93	252	92	92			80	120

(1) The result for one or both determinations was less than five times the LOQ.



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**LLI Sample No. WW 2734973**

Collected: 6/26/97 at 15:00 by DC

Submitted: 6/28/97 Reported: 7/28/97

Discard: 8/28/97

005-0697 Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03  
05697 SDG#: NBH20-06

Account No: 08947  
Roy F. Weston, Inc.  
Bldg. 3701 Barnum Road  
Devons MA 01433

P.O. LL-2139-A7  
Ref. 03886-118-002

CAT NO.	ANALYSIS NAME	AS RECEIVED		
		RESULTS	METHOD DETECTION LIMIT	UNITS
1749	Cadmium	N.D.	0.0031	mg/l
1751	Chromium	N.D.	0.0066	mg/l
1753	Copper	N.D.	0.0045	mg/l
1055	Lead (furnace method)	N.D.	0.011	mg/l
	The quantitation limit for lead was increased due to the nature of the sample matrix.			
0173	PCBs in Water		1.0	See Page 2

1 COPY TO Roy F. Weston, Inc.  
1 COPY TO Data Package Group

ATTN: Mr. Thomas Abdella

Questions? Contact your Client Services Representative  
De Brooks at (717) 656-2300  
12:11:38 D 0002 12 123814 571380  
809 0.00 00010504 ASR000

Respectfully Submitted  
Ramona V. Layman  
Manager, Metals/Leachates



Lancaster Laboratories  
2425 New Holland Pike  
PO Box 12425  
Lancaster, PA 17605-1425  
717-656-2300 Fax 717-656-2681

See reverse side for explanation of symbols and abbreviations

2216 Rev. 5/01/96





**LLI Sample No. WW 2734973**

Collected: 6/26/97 at 15:00 by DC

Submitted: 6/28/97 Reported: 7/28/97

Discard: 8/28/97

005-0697 Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03  
05697 SDG#: NBH20-06

Account No: 08947  
Roy F. Weston, Inc.  
Bldg. 3701 Barnum Road  
Devons MA 01433

P.O. LL-2139-A7  
Ref. 03886-118-002

CAT NO.	ANALYSIS NAME	AS RECEIVED		
		RESULTS	METHOD DETECTION LIMIT	UNITS
PCBs in Water				
0639	PCB-1016	N.D.	0.043	ug/l
0640	PCB-1221	N.D.	0.12	ug/l
0641	PCB-1232	N.D.	0.048	ug/l
0642	PCB-1242	N.D.	0.10	ug/l
0643	PCB-1248	N.D.	0.038	ug/l
0644	PCB-1254	N.D.	0.14	ug/l
0645	PCB-1260	N.D.	0.036	ug/l

Questions? Contact your Client Services Representative  
De Brooks at (717) 656-2300

Respectfully Submitted  
Jenifer E. Hess, B.S.  
Group Leader Pesticides/PCBs



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Lancaster, PA 17605-2425  
717-656-2300 Fax 717-656-2681

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2216 Rev 5/01/96





**LLI Sample No. WW 2734973**

Collected: 06/26/97 at 15:00 by DC

Submitted: 06/28/97

005-0697 Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03  
05697 SDG#: NBH20-06

Account No: 08947  
Roy F. Weston, Inc.  
Bldg. 3701 Barnum Road  
Devons MA 01433

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS DATE AND TIME	ANALYST
1749	Cadmium	SW-846 6010A	1	07/11/97 0123	Tara L. Linville
1751	Chromium	SW-846 6010A	1	07/11/97 0123	Tara L. Linville
1753	Copper	SW-846 6010A	1	07/11/97 0123	Tara L. Linville
1848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	07/02/97 2237	Charlotte L. Houck
1055	Lead (furnace method)	SW-846 7421	1	07/15/97 1709	Laura M. Hickes
5704	WW/TL SW 846 GFAA Digest tot	SW-846 3020A	1	07/02/97 2231	Charlotte L. Houck
0173	PCBs in Water	SW-846 8081	1	07/04/97 1734	Rick Shober
0817	Water Sample Pest. Extraction	SW-846 3510B	1	06/30/97 1945	David M. Yiannokos



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2216 Rev. 5/01/96





LLI Sample No. 2734973

005-0697 Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03

Group No. 571380  
Roy F. Weston, Inc.

SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LOW	LIMITS HIGH
1749 Cadmium		Batch: 971831848007									
0.0031	mg/l	N.D.	0 (1)	103	101	3	103			80	120
1751 Chromium		Batch: 971831848007									
0.0066	mg/l	N.D.	0 (1)	108	104	4	105			80	120
1753 Copper		Batch: 971831848007									
0.0045	mg/l	N.D.	0 (1)	109	107	2	106			80	120
1055 Lead (furnace method)		Batch: 971835704003									
0.011	mg/l	N.D.	0 (1)	93	252	92	92			80	120
-----											
0173 PCBs in Water		Batch: 971810002A									
-----											
0639 PCB-1016											
0.043	ug/l	N.D.		100	96	5	91	87	4	48	125
0640 PCB-1221		N.D.									
0.12	ug/l	N.D.									
0641 PCB-1232		N.D.									
0.048	ug/l	N.D.									
0642 PCB-1242		N.D.									
0.10	ug/l	N.D.									
0643 PCB-1248		N.D.									
0.038	ug/l	N.D.									
0644 PCB-1254		N.D.									
0.14	ug/l	N.D.									
0645 PCB-1260		N.D.									
0.036	ug/l	N.D.		99	95	3	101	96	5	67	128

(1) The result for one or both determinations was less than five times the LOQ.



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2216 Rev 5/01/96



**LLI Sample No. 2734973**

005-0697 Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03

Group No. 571380  
Roy F. Weston, Inc.

SURROGATE SUMMARY				
TRIAL ID	SURROGATE	RECOVERY %	SURROGATE LIMITS	
			LOW	HIGH
0173 PCBs in Water	TCX	88	60	120
	DCB	83	60	120



Lancaster Laboratories  
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2216 Rev 5/01/96





**LLI Sample No. ww 2734974**

Collected: 6/26/97 at 11:15 by DC

Submitted: 6/28/97 Reported: 7/28/97

Discard: 8/28/97

002-0697 Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03  
02697 SDG#: NBH20-07

Account No: 08947  
Roy F. Weston, Inc.  
Bldg. 3701 Barnum Road  
Devons MA 01433

P.O. LL-2139-A7  
Rel. 03886-118-002

CAT NO.	ANALYSIS NAME	AS RECEIVED		
		RESULTS	METHOD DETECTION LIMIT	UNITS
1749	Cadmium	N.D.	0.0031	mg/l
1751	Chromium	N.D.	0.0066	mg/l
1753	Copper	N.D.	0.0045	mg/l
1055	Lead (furnace method)	N.D.	0.011	mg/l
	The quantitation limit for lead was increased due to the nature of the sample matrix.			
0173	PCBs in Water		1.0	See Page 2

1 COPY TO Roy F. Weston, Inc.  
1 COPY TO Data Package Group

ATTN: Mr. Thomas Abdella

Questions? Contact your Client Services Representative  
De Brooks at (717) 656-2300  
12:12:14 D 0002 12 123814 571380  
809 0.00 00010504 ASR000

Respectfully Submitted  
Ramona V. Layman  
Manager, Metals/Leachates



Lancaster Laboratories  
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**LLI Sample No. WW 2734974**

Collected: 6/26/97 at 11:15 by DC

Submitted: 6/28/97 Reported: 7/28/97

Discard: 8/28/97

002-0697 Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03  
02697 SDG#: NBH20-07

Account No: 08947  
Roy F. Weston, Inc.  
Bldg. 3701 Barnum Road  
Devons MA 01433

P.O. LL-2139-A7  
Re1. 03886-118-002

CAT NO.	ANALYSIS NAME	AS RECEIVED		
		RESULTS	METHOD DETECTION LIMIT	UNITS
PCBs in Water				
0639	PCB-1016	N.D.	0.043	ug/l
0640	PCB-1221	N.D.	0.12	ug/l
0641	PCB-1232	N.D.	0.048	ug/l
0642	PCB-1242	N.D.	0.10	ug/l
0643	PCB-1248	N.D.	0.038	ug/l
0644	PCB-1254	N.D.	0.14	ug/l
0645	PCB-1260	N.D.	0.036	ug/l

Questions? Contact your Client Services Representative  
De Brooks at (717) 656-2300

Respectfully Submitted  
Jenifer E. Hess, B.S.  
Group Leader Pesticides/PCBs



Lancaster Laboratories  
2425 New Holland Pike  
PO Box 12425  
Lancaster, PA 17605-2425  
717-656-2300 Fax 717-656-2681

See reverse side for explanation of symbols and abbreviations.

2216 Rev 5/01/96





LLI Sample No. WW 2734974

Collected: 06/26/97 at 11:15 by DC

Submitted: 06/28/97

002-0697 Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03  
02697 SDG#: NBH20-07

Account No: 08947  
Roy F. Weston, Inc.  
Bldg. 3701 Barnum Road  
Devons MA 01433

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS DATE AND TIME	ANALYST
1749	Cadmium	SW-846 6010A	1	07/11/97 0129	Tara L. Linville
1751	Chromium	SW-846 6010A	1	07/11/97 0129	Tara L. Linville
1753	Copper	SW-846 6010A	1	07/11/97 0129	Tara L. Linville
1848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	07/02/97 2237	Charlotte L. Houck
1055	Lead (furnace method)	SW-846 7421	1	07/15/97 1730	Laura M. Hickes
5704	WW/TL SW 846 GFAA Digest tot	SW-846 3020A	1	07/02/97 2231	Charlotte L. Houck
0173	PCBs in Water	SW-846 8081	1	07/02/97 1044	Rick Shober
0817	Water Sample Pest. Extraction	SW-846 3510B	1	06/30/97 1945	David M. Yiannokos





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Page: 4 of 5

LLI Sample No. 2734974

002-0697 Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03

Group No. 571380  
Roy F. Weston, Inc.

SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LOW	LIMITS HIGH
1749 Cadmium		Batch: 971831848007									
0.0031	mg/l	N.D.	0 (1)	103	101	3	103			80	120
1751 Chromium		Batch: 971831848007									
0.0066	mg/l	N.D.	0 (1)	108	104	4	105			80	120
1753 Copper		Batch: 971831848007									
0.0045	mg/l	N.D.	0 (1)	109	107	2	106			80	120
1055 Lead (furnace method)		Batch: 971835704003									
0.011	mg/l	N.D.	0 (1)	93	252	92	92			80	120
-----											
0173 PCBs in Water		Batch: 971810002A									
0639 PCB-1016											
0.043	ug/l	N.D.		100	96	5	91	87	4	48	125
0640 PCB-1221											
0.12	ug/l	N.D.									
0641 PCB-1232											
0.048	ug/l	N.D.									
0642 PCB-1242											
0.10	ug/l	N.D.									
0643 PCB-1248											
0.038	ug/l	N.D.									
0644 PCB-1254											
0.14	ug/l	N.D.									
0645 PCB-1260											
0.036	ug/l	N.D.		99	95	3	101	96	5	67	128

(1) The result for one or both determinations was less than five times the LOQ.



Lancaster Laboratories  
2425 New Holland Pike  
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2216 Rev 5/01/96





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## QUALITY CONTROL REPORT

Page: 5 of 5

**LLI Sample No. 2734974**

002-0697 Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03

Group No. 571380  
Roy F. Weston, Inc.

SURROGATE SUMMARY				
TRIAL ID	SURROGATE	RECOVERY %	SURROGATE LIMITS	
			LOW	HIGH
0173 PCBs in Water	TCX	87	60	120
	DCB	65	60	120



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2216 Rev. 5/01/96





LLI Sample No. **WW 2734975**

Collected: 6/26/97 at 11:10 by DC

Submitted: 6/28/97 Reported: 7/28/97

Discard: 8/28/97

003-0697 Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03  
03697 SDG#: NBH20-08

Account No: 08947  
Roy F. Weston, Inc.  
Bldg. 3701 Barnum Road  
Devons MA 01433

P.O. LL-2139-A7  
ReI. 03886-118-002

CAT NO.	ANALYSIS NAME	AS RECEIVED		
		RESULTS	METHOD DETECTION LIMIT	UNITS
1749	Cadmium	0.0042 J	0.0031	mg/l
1751	Chromium	N.D.	0.0066	mg/l
1753	Copper	0.082	0.0045	mg/l
1055	Lead (furnace method)	0.0047	0.0011	mg/l
0173	PCBs in Water		1.0	See Page 2

1 COPY TO Roy F. Weston, Inc.  
1 COPY TO Data Package Group

ATTN: Mr. Thomas Abdella

Questions? Contact your Client Services Representative  
De Brooks at (717) 656-2300  
12:13:07 D 0002 12 123814 571380  
809 0.00 00010504 ASR000



Lancaster Laboratories  
2425 New Holland Pike  
PO Box 12425  
Lancaster, PA 17605-2425  
717-656-2300 Fax 717-656-2681

Respectfully Submitted  
Ramona V. Layman  
Manager, Metals/Leachates





**LLI Sample No. WW 2734975**

Collected: 6/26/97 at 11:10 by DC

Submitted: 6/28/97 Reported: 7/28/97

Discard: 8/28/97

003-0697 Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03

03697 SDG#: NBH20-08

Account No: 08947  
Roy F. Weston, Inc.  
Bldg. 3701 Barnum Road  
Devons MA 01433

P.O. LL-2139-A7  
Rel. 03886-118-002

**AS RECEIVED**

CAT NO.	ANALYSIS NAME	RESULTS	METHOD	DETECTION LIMIT	UNITS
------------	---------------	---------	--------	-----------------	-------

**PCBs in Water**

0639	PCB-1016	N.D.	0.043	ug/l
0640	PCB-1221	N.D.	0.12	ug/l
0641	PCB-1232	N.D.	0.048	ug/l
0642	PCB-1242	N.D.	0.10	ug/l
0643	PCB-1248	N.D.	0.038	ug/l
0644	PCB-1254	N.D.	0.14	ug/l
0645	PCB-1260	N.D.	0.036	ug/l

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Respectfully Submitted  
Jenifer E. Hess, B.S.  
Group Leader Pesticides/PCBs





LLI Sample No. **WW 2734975**

Collected: 06/26/97 at 11:10 by DC

Submitted: 06/28/97

Account No: 08947  
Roy F. Weston, Inc.  
Bldg. 3701 Barnum Road  
Devons MA 01433

003-0697 Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03  
03697 SDG#: NBH20-08

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS DATE AND TIME	ANALYST
1749	Cadmium	SW-846 6010A	1	07/11/97 0135	Tara L. Linville
1751	Chromium	SW-846 6010A	1	07/11/97 0135	Tara L. Linville
1753	Copper	SW-846 6010A	1	07/11/97 0135	Tara L. Linville
1848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	07/02/97 2237	Charlotte L. Houck
1055	Lead (furnace method)	SW-846 7421	1	07/15/97 1741	Laura M. Hickes
5704	WW/TL SW 846 GFAA Digest tot	SW-846 3020A	1	07/02/97 2231	Charlotte L. Houck
0173	PCBs in Water	SW-846 8081	1	07/02/97 1123	Rick Shober
0817	Water Sample Pest. Extraction	SW-846 3510B	1	06/30/97 1945	David M. Yiannokos



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LLI Sample No. 2734975

003-0697 Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03

Group No. 571380  
Roy F. Weston, Inc.

SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LOW	LIMITS HIGH
1749 Cadmium		Batch: 971831848007									
0.0031	mg/l	N.D.	0 (1)	103	101	3	103			80	120
1751 Chromium		Batch: 971831848007									
0.0066	mg/l	N.D.	0 (1)	108	104	4	105			80	120
1753 Copper		Batch: 971831848007									
0.0045	mg/l	N.D.	0 (1)	109	107	2	106			80	120
1055 Lead (furnace method)		Batch: 971835704003									
0.0011	mg/l	N.D.	0 (1)	93	252	92	92			80	120
-----											
0173 PCBs in Water		Batch: 971810002A									
-----											
0639 PCB-1016											
0.043	ug/l	N.D.		100	96	5	91	87	4	48	125
0640 PCB-1221											
0.12	ug/l	N.D.									
0641 PCB-1232											
0.048	ug/l	N.D.									
0642 PCB-1242											
0.10	ug/l	N.D.									
0643 PCB-1248											
0.038	ug/l	N.D.									
0644 PCB-1254											
0.14	ug/l	N.D.									
0645 PCB-1260											
0.036	ug/l	N.D.		99	95	3	101	96	5	67	128

(1) The result for one or both determinations was less than five times the LOQ.



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## QUALITY CONTROL REPORT

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LLI Sample No. 2734975

003-0697 Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03

Group No. 571380  
Roy F. Weston, Inc.

SURROGATE SUMMARY		SURROGATE LIMITS	
TRIAL ID	SURROGATE	LOW	HIGH
0173 PCBs in Water	TCX	60	120
	DCB	60	120



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LLI Sample No. **WW 2734976**

Collected: 6/26/97 at 12:00 by DC

Submitted: 6/28/97 Reported: 7/28/97

Discard: 8/28/97

202-0697 Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03

20297 SDG#: NBH20-09

Account No: 08947  
Roy F. Weston, Inc.  
Bldg. 3701 Barnum Road  
Devons MA 01433

P.O. LL-2139-A7  
ReI. 03886-118-002

CAT NO.	ANALYSIS NAME	AS RECEIVED	
		RESULTS	METHOD DETECTION LIMIT UNITS
1749	Cadmium	N.D.	0.0031 mg/l
1751	Chromium	N.D.	0.0066 mg/l
1753	Copper	N.D.	0.0045 mg/l
1055	Lead (furnace method)	N.D.	0.0011 mg/l
0173	PCBs in Water		1.0 See Page 2

1 COPY TO Roy F. Weston, Inc.  
1 COPY TO Data Package Group

ATTN: Mr. Thomas Abdella

Questions? Contact your Client Services Representative  
De Brooks at (717) 656-2300  
12:14:13 D 0002 12 123814 571380  
809 0.00 00010504 ASR000



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2425 New Holland Pike  
PO Box 12425  
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Respectfully Submitted  
Ramona V. Layman  
Manager, Metals/Leachates





LLI Sample No. **WW 2734976**

Collected: 6/26/97 at 12:00 by DC

Submitted: 6/28/97 Reported: 7/28/97

Discard: 8/28/97

202-0697 Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03

20297 SDG#: NBH20-09

Account No: 08947  
Roy F. Weston, Inc.  
Bldg. 3701 Barnum Road  
Devons MA 01433

P.O. LL-2139-A7  
Rel. 03886-118-002

AS RECEIVED

METHOD

CAT  
NO. ANALYSIS NAME

RESULTS DETECTION LIMIT UNITS

PCBs in Water

0639	PCB-1016	N.D.	0.043	ug/l
0640	PCB-1221	N.D.	0.12	ug/l
0641	PCB-1232	N.D.	0.048	ug/l
0642	PCB-1242	N.D.	0.10	ug/l
0643	PCB-1248	N.D.	0.038	ug/l
0644	PCB-1254	N.D.	0.14	ug/l
0645	PCB-1260	N.D.	0.036	ug/l

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Respectfully Submitted  
Jenifer E. Hess, B.S.  
Group Leader Pesticides/PCBs





LLI Sample No. WW 2734976

Collected: 06/26/97 at 12:00 by DC

Submitted: 06/28/97

202-0697 Grab Water Sample

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1848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	07/02/97 2237	Charlotte L. Houck
1055	Lead (furnace method)	SW-846 7421	1	07/15/97 1752	Laura M. Hickes
5704	WW/TL SW 846 GFAA Digest tot	SW-846 3020A	1	07/02/97 2231	Charlotte L. Houck
0173	PCBs in Water	SW-846 8081	1	07/02/97 1202	Rick Shober
0817	Water Sample Pest. Extraction	SW-846 3510B	1	06/30/97 1945	David M. Yiannokos



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QUALITY CONTROL REPORT

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LLI Sample No. 2734976

202-0697 Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03

Group No. 571380  
Roy F. Weston, Inc.

SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LOW	LIMITS HIGH
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-----											
0173 PCBs in Water		Batch: 971810002A									
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0.043	ug/l	N.D.		100	96	5	91	87	4	48	125
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0.12	ug/l	N.D.									
0641 PCB-1232		N.D.									
0.048	ug/l	N.D.									
0642 PCB-1242		N.D.									
0.10	ug/l	N.D.									
0643 PCB-1248		N.D.									
0.038	ug/l	N.D.									
0644 PCB-1254		N.D.									
0.14	ug/l	N.D.									
0645 PCB-1260		N.D.									
0.036	ug/l	N.D.		99	95	3	101	96	5	67	128

(1) The result for one or both determinations was less than five times the LOQ.



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QUALITY CONTROL REPORT

Page: 5 of 5

**LLI Sample No. 2734976**  
202-0697 Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03

Group No. 571380  
Roy F. Weston, Inc.

		SURROGATE SUMMARY		SURROGATE LIMITS	
	TRIAL ID	SURROGATE	RECOVERY %	LOW	HIGH
0173 PCBs in Water		TCX	87	60	120
		DCB	91	60	120



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